

AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

LISTING OF THE CLAIMS

1. (Currently Amended) A recording medium having a data structure for managing reproduction of video data, the data structure comprising:

~~a first area storing a plurality of data playing units, each of the data playing units including video data; and~~

~~a second area storing a plurality of navigation information units, each unit corresponding to and for managing one of the data playing units,~~

~~each navigation information unit~~

a stream file including source packets of the video data; and

navigation information for managing reproduction of the video data, the navigation information including,

a clip information file associated with the stream file, the clip information file including timing information mapping a presentation time stamp to the source packets,

a playlist file including at least one playitem identifying a playing interval in a clip of the video data, and

a movie object pointing to the playlist list file, the movie object including a resume flag indicating whether resumption of reproduction of a ~~corresponding data playing unit~~ of the video data ~~playing units~~ at a suspended position is permitted or prohibited.

2-5. (Cancelled)

6. (Currently Amended) The recording medium of claim 1, wherein the ~~navigation information unit~~ movie object further includes commands to conduct operations according to value of the resume flag.

7. (Currently Amended) The recording medium of claim 1, wherein the resume flag is applied when menu presentation is called during reproduction of the ~~corresponding data playing unit~~ video data.

8-12. (Cancelled)

13. (Currently Amended) A method for recording a data structure for managing reproduction of video data on a recording medium, the method comprising:

recording a stream file including source packets of the video data; and
recording navigation information for managing reproduction of the video data, the navigation information including,

a clip information file associated with the stream file, the clip information file including timing information mapping a presentation time stamp to the source packets,

a playlist file including at least one playitem identifying a playing interval in a clip of the video data, and

a movie object pointing to the playlist list file, the movie object ~~a plurality of data playing units on the recording medium, each of the data playing units including video data; and recording a plurality of navigation information units, each unit corresponding to and for managing one of the data playing units on the recording medium, each navigation information unit including a resume flag including a resume flag indicating whether resumption of reproduction of the video data~~ ~~a corresponding data playing unit of the data playing units at a suspended position is permitted or prohibited.~~

14-16. (Cancelled)

17. (Currently Amended) An apparatus for recording a data structure for managing reproduction of video data on a recording medium, the apparatus comprising:

a recording unit configured to record ~~data a plurality of data playing units~~ on the recording medium, ~~each of data playing units including video data~~; and

a controller configured to control the recording unit to record a stream file including source packets of the video data and to record navigation information for managing reproduction of the video data, the navigation information including,

a clip information file associated with the stream file, the clip information file including timing information mapping a presentation time stamp to the source packets,

a playlist file including at least one playitem identifying a playing interval in a clip of the video data, and

a movie object pointing to the playlist list file, the movie object the video data on the recording medium and to record a plurality of navigation information units, each unit corresponding to and for managing one of the data playing units on the recording medium, each navigation information unit including a resume flag indicating whether resumption of reproduction of the video data a corresponding data playing unit of the data playing units at a suspended position is permitted or prohibited.

18-28. (Cancelled)

29. (Currently Amended) The recording medium of claim 1 [[4]], wherein the movie object is discarded when the resumption is prohibited.

30-33. (Cancelled)

34. (Currently Amended) The recording medium of claim 1 [[4]], wherein the movie object is suspended and maintained when the resumption is permitted.

35. (Currently Amended) A method for reproducing a data structure for managing reproduction of video data recorded on a recording medium, the method comprising:

reading navigation information for managing reproduction of the video data from the recording medium; and

reproducing a stream file including source packets of the video data from the recording medium, the navigation information including,

a clip information file associated with the stream file, the clip information file including timing information mapping a presentation time stamp to the source packets,

a playlist file including at least one playitem identifying a playing interval in a clip of the video data, and

a movie object pointing to the playlist list file, the movie object a plurality of navigation information units, each unit corresponding to and managing one of a plurality of data playing units including video data, each navigation information unit including a resume flag indicating whether resumption of reproduction of a corresponding data playing unit of the data playing units the video data at a suspended position is permitted or prohibited;

reproducing the video data of a corresponding data playing unit from the recording medium.

36. (Previously Presented) The method of claim 35, further comprising:
storing current reproduction location of the video data, based on value of the resume flag.

37. (Previously Presented) The method of claim 36, further comprising:

resuming reproduction of the video data from the stored reproduction location after presenting a menu.

38. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of video data recorded on a recording medium, the apparatus comprising:

a reproducing unit configured to reproduce data ~~a plurality of data playing units on~~ from the recording medium, ~~each of the data playing units including video data;~~ and

a controller configured to control the reproducing unit to read navigation information for managing reproduction of the video data from the recording medium and to reproduce a stream file including source packets of the video data from the recording medium, the navigation information including,

a clip information file associated with the stream file, the clip information file including timing information mapping a presentation time stamp to the source packets,

a playlist file including at least one playitem identifying a playing interval in a clip of the video data, and

a movie object pointing to the playlist list file, the movie object ~~reproduce the video data from the recording medium and to control the reproducing unit to read a plurality of navigation information units, each unit corresponding to and for managing one of the data playing units on the recording medium, each navigation information unit including a resume flag indicating whether resumption of reproduction of a corresponding data playing unit of the data playing units~~ the video data at a suspended position is permitted or prohibited.

39. (Previously Presented) The apparatus of claim 38, wherein the controller controls the reproducing unit to store current reproduction location of the video data, based on value of the resume flag.

40-41. (Cancelled)

42. (Currently Amended) The method of claim 35 41, further comprising:
discarding the movie object if the resumption is prohibited.

43. (New) The method of claim 13, wherein the movie object further includes commands to conduct operations according to value of the resume flag.

44. (New) The method of claim 13, wherein the resume flag is applied when menu presentation is called during reproduction of the video data.

45. (New) The apparatus of claim 17, wherein the movie object further includes commands to conduct operations according to value of the resume flag.

46. (New) The apparatus of claim 17, wherein the resume flag is applied when menu presentation is called during reproduction of the video data.

47. (New) The method of claim 35, wherein the movie object further includes commands to conduct operations according to value of the resume flag.

48. (New) The method of claim 35, wherein the resume flag is applied when menu presentation is called during reproduction of the video data.

49. (New) The apparatus of claim 38, wherein the movie object further includes commands to conduct operations according to value of the resume flag.

50. (New) The apparatus of claim 38, wherein the resume flag is applied when menu presentation is called during reproduction of the video data.

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